

Converting Colors

CIELCh(66, 47.054, 168.191)

Have a look what the booklet for
CIELCh(66, 47.054, 168.191)
contains.

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Color

CIELCh(66, 46.980, 168.309)

Conversions

Conversions Part 1

Format	Color
Hex	24B58E
RGB	36, 181, 142
RGB Percent	14%, 71%, 56%
CMY	0.8596, 0.2906, 0.4435
CMYK	0.80, 0.00, 0.22, 0.29
HSL	164°, 67%, 42%
HSV	164°, 80%, 71%
XYZ	22.0964, 35.3238, 31.2036
YIQ	133.1990, -73.9010, -42.8690

Conversions

Conversions Part 2

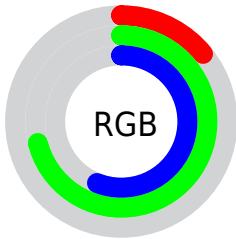
Format	Color
RYB	36, 120, 181
Decimal	2405774
CIELab	66.00, -46.01, 9.52
CIELCh	66, 46.980, 168.309
Yxy	35.3238, 0.2493, 0.3986
Android (android.graphics.Color)	4280595854 (0xFF24B58E)
YUV	133.1990, 4.3389, -85.2435
Hunter-Lab	59.4338, -37.6462, 10.4756

Details

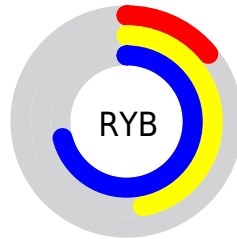
The CIELCh color **66, 46.980, 168.309** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **41, 60.061, 14.026**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 46.945, 168.337**, and **47, 40.408, 164.583** is the 20% darker color. If you saturate the color by 10%, you get **66, 50.016, 166.431**, and if you desaturate by 10%, it is **66, 43.194, 169.997**.

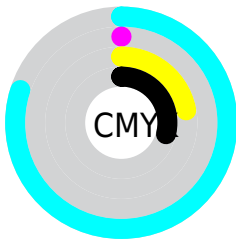
Distribution



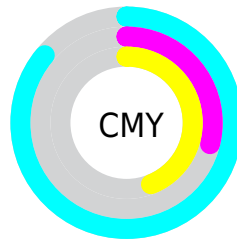
- Red (14%)
- Green (71%)
- Blue (56%)



- Red (14%)
- Yellow (47%)
- Blue (71%)



- Cyan (80%)
- Magenta (0%)
- Yellow (22%)
- Black (29%)





- Cyan (86%)
- Magenta (29%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 46.980, 168.309 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 66, 46.980, 168.309 by changing the saturation by 10% instead.


 66, 46.980,
168.309


 66, 46.980,
168.309


 100, 46.980,
168.309


 56, 46.980,
168.309


 86, 46.980,
168.309

 46, 46.980,
168.309

 96, 46.980,
168.309

 36, 46.980,
168.309

 26, 46.980,
168.309

 16, 46.980,
168.309

 6, 46.980, 168.309

 0, 46.980, 168.309

■ 66, 46.980,
168.309

■ 66, 46.980,
168.309

■ 66, 50.016,
166.431

■ 66, 43.194,
169.997

■ 65, 52.439,
164.468

■ 67, 38.649,
171.512

■ 68, 33.397,
172.875

■ 69, 27.527,
174.111

■ 70, 21.149,
175.244

■ 71, 14.385,
176.294

■ 72, 7.349, 177.293

■ 74, 0.146, 181.252

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



66, 46.980, 168.309



41, 60.061, 14.026

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 46.980, 168.309



66, 46.980, 218.309



66, 46.980, 348.309



66, 46.980, 38.309

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



66, 46.980, 168.308



89, 20.973, 175.862



66, 80.604, 132.654



47, 14.310, 175.491



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66, 46.980, 168.308



83, 62.965, 164.921



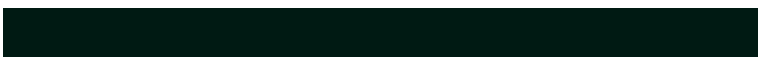
57, 31.903, 231.947



37, 4.037, 177.382



56, 46.139, 164.767



7, 10.434, 171.507

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41, 60.061, 14.026



50, 82.297, 22.627



44, 61.150, 43.271



35, 4.158, 358.974



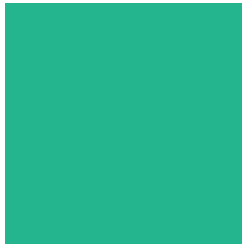
32, 60.514, 22.954



2, 9.599, 2.673

Previews

White Background



This preview shows how the CIELCh color 66, 46.980, 168.309 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 66, 46.980, 168.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

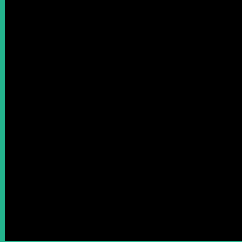
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 46.980, 168.309

Background



This preview shows how black text looks on a background with the CIELCh color 66, 46.980, 168.309.

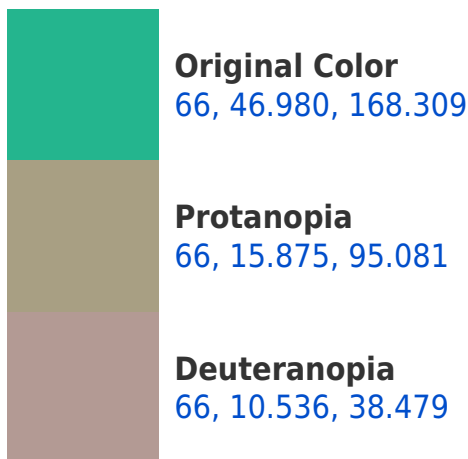


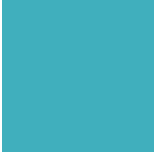
This preview shows how white text looks on a background with the CIELCh color 66, 46.980, 168.309.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
66, 31.248, 211.622

Trichromacy



Original Color
66, 46.980, 168.309



Protanomaly
64, 25.318, 152.840



Deuteranomaly
64, 17.251, 162.409



Tritanomaly
66, 34.788, 191.986

Monochromacy



Original Color
66, 46.980, 168.309



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 20.672, 174.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 46.980, 168.309 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(36, 181, 142)` looks like.

```
.text, #text, p{  
    color:rgb(36, 181, 142)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(36, 181, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 181, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 46.980, 168.309 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(36, 181, 142) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(36, 181, 142) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(36, 181, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(36, 181, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(36, 181, 142); box-shadow:4px 4px 4px 4px rgb(36, 181, 142) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 46.980, 168.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 181, 142) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(36, 181,  
142) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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